## BEST AVAILABLE COPY

| POSITION                  | INITIALS | ID NO.   | DATE   |
|---------------------------|----------|----------|--------|
|                           |          |          |        |
| FEE DETERMINATION         | J. 5.    |          | Q-20-Q |
| O.I.P.E. CLASSIFIER       |          | <b>X</b> | 9-2600 |
| FORMALITY REVIEW          |          | 105955   | 11/3   |
| RESPONSE FORMALITY REVIEW |          |          |        |
|                           |          |          |        |

## **INDEX OF CLAIMS**

| ~ | Rejected                   | N | Non-elected  |
|---|----------------------------|---|--------------|
| = | Allowed                    | ı | Interference |
| _ | (Through numeral) Canceled | Α | Appeal       |
| ÷ | Restricted                 | 0 | Objected     |

| Claim  |   |               |                         |                 | ,            |                   |          | •••••                     |                         | 0             |                 |          | 10100   | 1031     | F     | •••••       |           | •••••    | •        | ÷  |  |         |                 |               |               |
|--|---|---------------|-------------------------|-----------------|--------------|-------------------|----------|---------------------------|-------------------------|---------------|-----------------|----------|---------|----------|-------|-------------|-----------|----------|----------|--|--|---------|-----------------|---------------|---------------|
| Color   Colo |   | te            | Da                      |                 |              | Claim             | ] [      |                           |                         | te            | Da              |          |         | im       | Cla   | <del></del> |           |          | te       | Da   |  |         | -^ <sub>7</sub> | aim           |               |
| Color   Colo |   |               |                         |                 |              | Final<br>Original |          |                           |                         |               |                 |          |         | Original | Final |             |           |          |          |  |  |         | Y3//2/          | Original      | Final         |
| 3   V  |   | $\sqcup \bot$ | $\perp$                 | _ _             | _            |                   | ↓        |                           | $\perp$                 | $\sqcup$      | ╀-              |          | _       |          |       | $\perp$     | 4         | _        | ot       | $\perp$  | - -                                    | +       | 4               | 10            | $\perp$       |
| 1  | +++   | -             | +                       | $\vdash$        |              |                   | -        |                           | +-                      | H             | ┼-              | -        | +       |          | 1     | ┼-          | ╁         | +        | -        | +  | +                                      | +       |                 |               | -             |
| 5   V  | -   | ├-            | +-                      | ├-              | +            |                   | ł ŀ      |                           | +                       | $\vdash$      | +               | -        | +-      |          | ┥┝┪   | ╁           | +         | +        | <u> </u> | -  | ╁                                      | ┿       |                 | -             | -             |
| 6  | $\dashv +$  | $\vdash$      | +                       | $\vdash$        |              |                   | {        | +                         |                         | -             | +               | +        | +       |          | ┥┢┪   | ╁╴          | ╁         | $\dashv$ | -        | ╁╌   | +                                      | +       | 1               |               | -             |
| 7   V  |   |               | +                       | $\vdash$        | +            |                   | 1 F      |                           | -                       | -             | ╫               | $\dashv$ | $\top$  | _        | ┧╠┪   | +           | +         | -        | $\vdash$ | +  | +-                                     | +       | _               | _             | $\vdash$      |
| Se   |   |               | +                       |                 |              |                   | 1        |                           |                         | $\vdash$      | †-              |          | +       |          |       | †           | 十         | 1        |          | T  | ↰▔                                     | $\top$  | V               | _             | $\vdash$      |
| 10   V   |   |               | 1                       |                 | 1            | 108               | i t      |                           |                         |               | $\top$          |          | 十       | 58       | 1     | 1           | 十         |          |          |  | $\top$                                 | 7       |                 | 8             |               |
| 11   |   |               |                         |                 |              | 109               | 1        |                           | $\top$                  |               | T               | $\neg$   |         | 59       | 1 [   | T           | T         | 1        |          |  |  | $\top$  | V               | 9             | 2             |
| 62   |   |               | $\top$                  |                 |              | 110               |          |                           |                         |               |                 |          |         |          |       |             | T         |          |          | Π  | $\Box$                                 | floor   | _               |               |               |
| 13   V   |   |               |                         |                 |              | 111               | ]        |                           |                         |               |                 |          |         | 61       |       |             |           | $\perp$  | L        |  | $\perp$                                |         | 0               |               |               |
| 14   y   64   114   115     15   y   65   115   116     17   66   117   116   117     18   y   68   118   118     19   69   119   120     20   70   120   121     21   71   121   121     22   72   122   122     23   73   123   123     24   74   124   124     25   76   125   125     26   76   127   127     28   79   128   129     30   80   130   131     31   81   131   131     32   83   132   132     33   84   134   134     35   86   86   136   |   |               |                         |                 |              |                   |          |                           |                         |               | 1_              |          |         |          |       |             | $\perp$   | $\perp$  |          | L  | <u> </u>                               | $\perp$ |                 |               |               |
| 15   V   | $\perp$   | ot            | Ш                       | <u> </u>        |              | $\rightarrow$     | 1        | $-\!\!\!\perp\!\!\!\perp$ | $\perp$                 |               |                 | $\perp$  | ┸       | _        |       | _           | <u>, </u> | $\perp$  | <u> </u> | _  | 1                                      | _       | - 1             | -             | <u>_</u>      |
| 16   V   66   116   117     18   V   68   118   118     19   V   68   119   119     20   70   120   120     21   71   121   121     22   73   123   123     24   74   124   124     25   75   125   125     26   76   126   127     28   79   129   129     30   80   130   131     31   81   131   131     32   83   133   133     34   84   134   134     35   86   86   136   | + + +   |               | $\downarrow \downarrow$ | $\vdash \vdash$ | $\perp$      |                   |          |                           | $\perp$                 | $\perp$       | _               | _        | +       |          |       | $\perp$     | 1         | $\perp$  | $\vdash$ | <u> </u>   | 4-                                     | 4       |                 |               | -             |
| 17   67   117     18   68   118     19   69   119     20   70   120     21   71   121     22   72   122     23   73   123     24   74   124     25   75   125     26   76   126     27   77   127     28   79   129     30   80   130     31   81   131     32   82   132     33   84   134     35   86   136  |   | <u> </u>      |                         |                 |              |                   | -        | $\perp$                   | $\perp$                 |               | ┼               |          |         |          |       | ╀           | $\bot$    | +        | _        | -  |  | +       |                 |               | $\vdash$      |
| 18   /   68   118   118   119   119   119   119   119   119   120   120   120   120   120   120   121   121   121   121   122   122   122   123   123   123   123   123   123   123   123   124   124   124   124   124   124   125   125   125   125   125   125   126   127   127   127   127   127   128   128   128   128   128   129   130   130   130   131   131   131   131   131   131   131   131   133   133   133   133   133   133   134   134   134   134   134   134   134   135   135   135   136 </td <td><math>\bot</math></td> <td><math>\vdash</math></td> <td>+</td> <td></td> <td></td> <td></td> <td>   -</td> <td>- </td> <td>-</td> <td>-</td> <td>╀</td> <td>+</td> <td>-</td> <td></td> <td></td> <td>-</td> <td>+</td> <td>+</td> <td>┝</td> <td></td> <td>┿</td> <td>+</td> <td>_4</td> <td></td> <td>-</td>  | $\bot$  | $\vdash$      | +                       |                 |              |                   | -        | -                         | -                       | -             | ╀               | +        | -       |          |       | -           | +         | +        | ┝        |  | ┿                                      | +       | _4              |               | -             |
| 19   69   119     20   70   120     21   71   121     22   72   122     23   73   123     24   74   124     25   75   125     26   76   126     27   77   127     28   78   128     29   79   129     30   80   130     31   81   131     32   82   132     33   83   133     34   84   134     35   86   136  | <del>-   -   -</del>                              |               | $\vdash$                |                 |              |                   |          | -H                        | +                       | +             | ╁               | +        | +       |          |       | -           | +         | +        | H        | ├  | ╁                                      | +-      |                 |               | $\vdash$      |
| 20   70   120     21   71   121     22   72   122     23   73   123     24   74   124     25   75   125     26   76   126     27   77   127     28   78   128     29   79   129     30   80   130     31   81   131     32   82   132     33   83   133     34   84   134     35   86   136  |   |               | +                       |                 | +-           | $\rightarrow$     | -        |                           | +                       | +             | $\vdash$        | +        | +       |          |       | ╁           | +         | -        |          | ┢  | +                                      | +       | _ ^             |               | $\vdash$      |
| 21   71   121   122   122   122   123   123   123   123   123   123   123   124   124   124   124   124   125   125   125   125   125   126   126   126   127   127   127   127   128   128   128   128   128   128   128   129   129   129   130   130   131   131   131   131   131   131   131   131   131   132   132   132   133   133   134   134   134   134   134   134   134   135   135   135   135   136  | +++   |               | +                       | <del></del>     |              | $\rightarrow$     | l        | +                         | +                       |               | ┢╌              |          |         | _        | 4 ——  | $\vdash$    | ╁         | -        | $\vdash$ | ┼-   | ╁                                      | +       | بإث             | _             | $\vdash$      |
| 22   72   122   123     23   73   123   124     24   74   124   124     25   75   125   125     26   76   126   127     28   77   127   128     29   79   129   129     30   80   130   130     31   81   131   131     32   82   132   132     33   83   133   133     34   84   134   134     35   86   136   136  | +++   | -             | +                       | $\vdash$        |              | ———               | -        |                           | +                       | +             | ╁               | +        | +       |          |       | ┼-          | +         | +        |          | $\vdash$   | ╀                                      | +       |                 |               | $\vdash$      |
| 23   73   123     24   74   124     25   75   125     26   76   126     27   77   127     28   78   128     29   79   129     30   80   130     31   81   131     32   82   132     33   83   133     34   84   134     35   85   135     36   86   136  |   |               | +                       |                 | - -          |                   | H        |                           | +                       | -             | -               |          | +       |          |       | ╁           | ╫         | +        |          | ├  |  | ┿       | $\dashv$        |               | $\vdash$      |
| 24   74   124     25   75   125     26   76   126     27   77   127     28   78   128     29   79   129     30   80   130     31   81   131     32   82   132     33   83   133     34   84   134     35   85   135     36   86   136  |   |               | + 1                     |                 |              |                   | ⊦        |                           | +                       | +             | ╁               |          |         |          |       | ╁           | ┿         | ╅        | $\vdash$ | $\vdash$   | +                                      | +       | $\dashv$        |               | -             |
| 25   75   125     26   76   126     27   77   127     28   78   128     29   79   129     30   80   130     31   81   131     32   82   132     33   83   133     34   84   134     35   85   135     36   86   136  |   | -             | +                       | +               | +-           |                   | -        |                           | +                       | $\dashv$      | ╁╾              | +        | +       |          |       | -           | ╁╌        | $\dashv$ |          | <del>                                     </del> | ╁                                      | +       | +               |               | -             |
| 26 76   27 77   28 78   29 79   30 80   31 81   32 82   33 83   34 84   35 85   36 86  | -+-   | -             | +                       |                 | +            |                   | -        | $\dashv$                  | +                       | +             |                 | +        | +       | _        | -     | $\vdash$    | +         | 1        |          | <del>                                     </del> | +-                                     | +-      | $\dashv$        | -             | P             |
| 27     77     127       28     78     128       29     79     129       30     80     130       31     81     131       32     82     132       33     83     133       34     84     134       35     85     135       36     86     136  |   |               | 1                       |                 | <del> </del> |                   | -        | $\top$                    | +                       | $\neg \vdash$ | Т               |          | +       | _        |       | 一           | 1         | $\top$   |          | <u> </u>   |  | $\top$  |                 |               |               |
| 28 78   29 79   30 80   31 81   32 82   33 83   34 84   35 85   36 86  | <del>-        </del>                              |               | ┪                       |                 | $\top$       |                   |          |                           | 17                      |               |                 |          |         |          |       | İ           | ✝         | 十        |          |  | T                                      | Ť       | 十               |               |               |
| 30   |   |               |                         |                 |              |                   |          |                           | $\top$                  | $\top$        |                 |          |         | 78       |       |             | $\top$    |          |          |  |  |         | $\top$          | 28            |               |
| 31 81   32 82   33 83   34 84   35 85   36 86  |   |               | $\top$                  |                 |              | 129               |          | $\Box$                    | 77                      |               |                 |          | 1       | 79       |       | Γ           | T         |          |          |  | T                                      |         |                 | 29            |               |
| 32   |   |               | $\Box$                  |                 |              | 130               |          |                           |                         |               |                 |          | T       |          |       |             |           |          |          |  |  |         |                 | _             |               |
| 33   |   |               |                         |                 |              |                   |          |                           |                         |               |                 | $\perp$  |         | _        | ·     |             |           |          |          |  | L                                      |         | $\perp$         |               |               |
| 34   |   |               |                         |                 |              |                   |          |                           |                         |               |                 |          |         |          |       | <u> </u>    | ┸         | $\perp$  |          | _  | _                                      | $\perp$ | 4               | _             | Ш             |
| 35   |   |               | $oldsymbol{\perp}$      |                 |              |                   | L        |                           | $\perp \perp$           |               | Ш               |          | 4       |          |       | L_          | <u> </u>  | $\perp$  |          |  | <u> </u>                               | 1       | 4               | $\overline{}$ | Ц             |
| 36 136 136   | 444   | $\perp$       | Ш                       | $\perp$         | $\perp$      |                   | L        |                           | $\downarrow \downarrow$ |               | $\sqcup$        | _ _      | _       | 1_       |       |             | $\perp$   | $\perp$  | Ц        | Н  | ــــــــــــــــــــــــــــــــــــــ | 4       | _               | -             | $\vdash$      |
| <del>                                      </del>  | $+\!\!+\!\!\!+\!\!\!\!+$                          | $\perp$       | $+ \downarrow$          | $\bot$          | $\perp$      |                   | _        | $\dashv$                  | +                       |               | Н               |          | +       |          |       | L           | +         | +        |          | $\vdash$   | $\perp$                                | $\perp$ | -               |               | Н             |
|  |   | +             | $\sqcup$                |                 | +            |                   | L        |                           |                         | +             | $\vdash \vdash$ | +        | $\perp$ |          |       | -           | +         | +        | $\dashv$ | -  | +-                                     | +       | +               | 36            | $\vdash$      |
| <del>                                     </del>   | +++   | -             | +                       |                 | +            |                   | $\vdash$ | +-                        | +                       | +             | $\vdash$        | +        | +       |          |       | -           | +         | +        | $\vdash$ | $\vdash\dashv$                                   | $\vdash$                               | +       | +               |               | $\vdash$      |
| <del></del>  | +++   | +             | +                       | +               | +            |                   | -        | +-                        | +                       | +             | $\vdash$        |          | +       |          |       | -           | +         | +        | $\dashv$ | $\vdash$   | $\vdash$                               | +-      | +               | $\rightarrow$ | -             |
| 39   | <del></del>                                       | +             | ╁┤                      |                 | +            |                   | -        | +                         | ++                      | +             | $\vdash$        |          | +-      | _        | ·     | $\vdash$    | ╁         | +-       | -        | Н  | $\vdash$                               | +       | +               | _             | -             |
| <del>┍┈┩═┩═┩═┩═┩═┩═┩═┩═┩═┩</del> ═┩ <del>╒</del> ┦ <del>╒┩═┩═┩═┩═┩═┩═┩═┩</del> ═╃ <del>╒┩</del> ═┩═╃   | +++   | +             | +                       |                 | +            |                   | ┝        | +                         | ┼┼                      | +             | $\vdash$        |          | +-      | -        |       | $\vdash$    | +-        | +        | -        | $\vdash$   | H                                      | ╁       | ┿               | $\rightarrow$ | $\rightarrow$ |
| <del></del>  | +++   |               | $\vdash \vdash$         |                 |              |                   | -        | +                         | + +                     | +             | $\vdash \vdash$ | -        | +       |          |       | Н           | ╁         | +        | -        |  | $\vdash$                               | +       | +               |               |               |
| 42   |   |               | $\vdash$                |                 | +            |                   | ⊢        | +                         | +                       | +             | $\vdash \vdash$ | +        | 4       |          |       | Н           | +-        | +        | -        | $\vdash$   | Н                                      | ╆       | +               |               |               |
| 44 94 144 144  | <del>- - -</del>                                  |               | ╁╾┼                     | +               | +            |                   | ⊢        | +                         | +                       | +             | $\vdash$        | +        | +       | _        | -     | Н           | $\vdash$  | +        |          | $\dashv$   | $\vdash$                               | +       | +               |               | ightarrow     |
| 45 95 145  | <del>- - -</del>                                  |               | ╀╌┼                     | +               | +            |                   | -        | +                         | +                       | +             | $\vdash \vdash$ | +        | +       |          |       | Н           | $\vdash$  | +        | -        | -  | $\vdash$                               | ╁       | +               | _             |               |
| 46 96 146  | +++   | +-            | ╁┤                      | $\dashv\dashv$  | +            |                   | -        | +                         | +-+                     | +             | $\vdash$        | - -      | ╁┤      |          |       | Н           | $\vdash$  | +        | $\dashv$ |  | Н                                      | +       | +               |               | $\rightarrow$ |
| 47 97 147  | +++   | +             | ╁┼                      | $\dashv$        | +            |                   | -        | +                         | ++                      | +             | $\vdash \vdash$ | +        | +       |          |       | Н           | Н         | +        | ᅱ        | $\dashv$   | H                                      | +       | +               |               | -             |
| 48 98 148  | <del>- - - -</del>                                | +             | $\vdash$                | $\dashv \dashv$ | +            |                   | $\vdash$ | +                         | +-+                     | +             | $\vdash$        | +        | +       |          |       | Н           | Н         | +        | -        | $\dashv$   | H                                      | +       | +               |               |               |
| 49 99 149  | 11+   | +             | $\vdash \vdash$         | $\dashv$        | +            |                   | $\vdash$ | +-1                       | +                       | $\dashv$      | $\Box$          | $\top$   | 1-1     |          |       |             |           | $\top$   |          | $\neg$   | П                                      |         | 1               |               |               |
| 50 100 150   | <del>                                      </del> |               |                         |                 |              | 150               |          |                           | 口                       | 土             |                 |          |         |          |       |             |           | $\perp$  |          |  |  |         |                 |               |               |

If more than 150 claims or 10 actions staple additional sheet here